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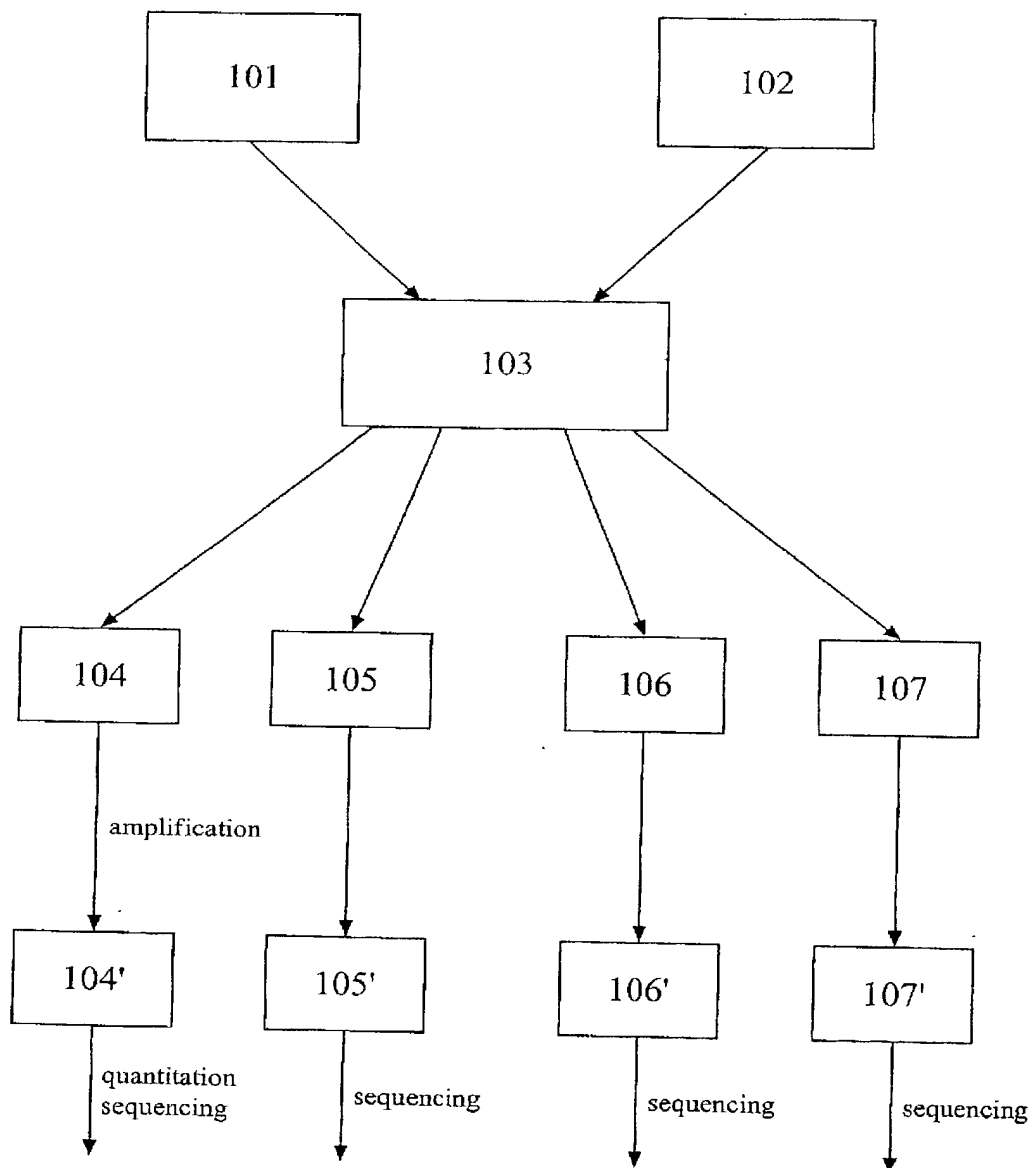


FIG. 1



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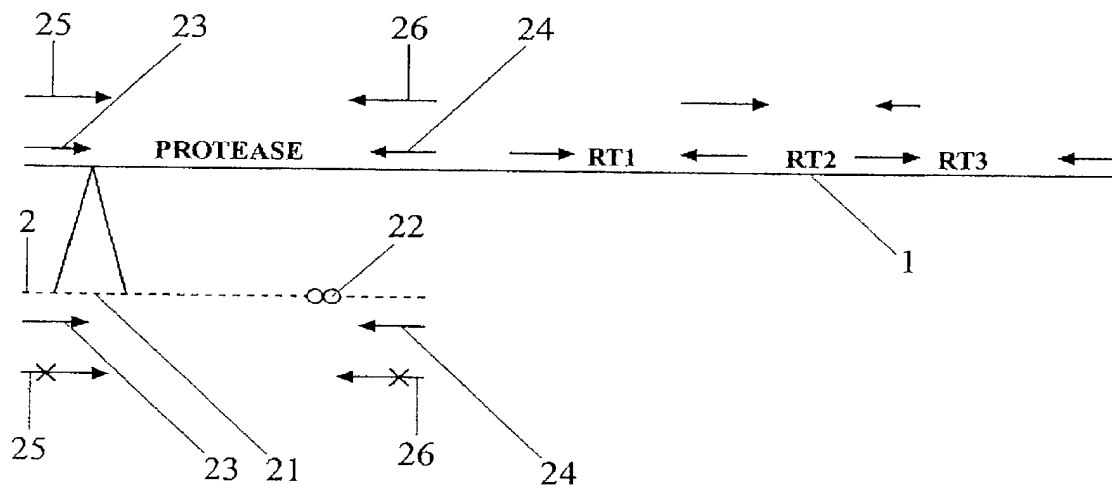


FIG. 2A

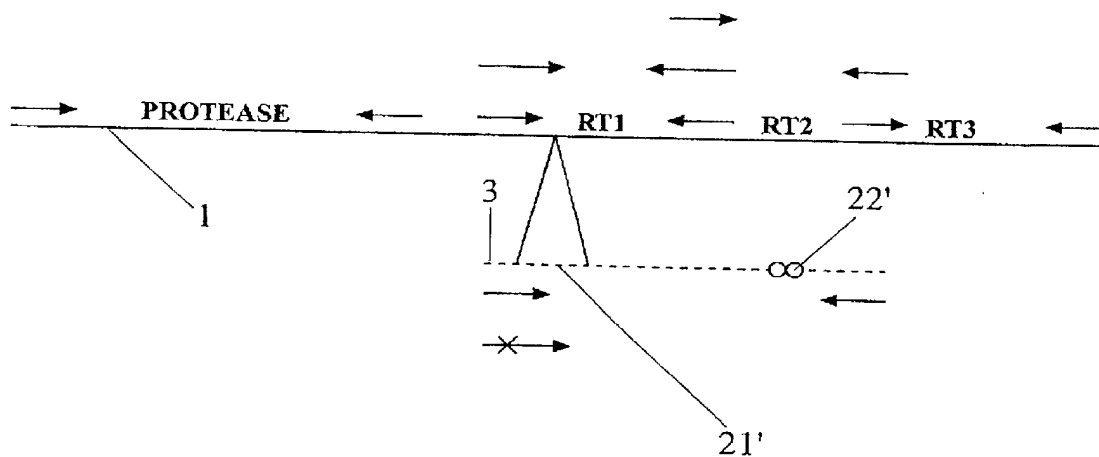


FIG. 2B



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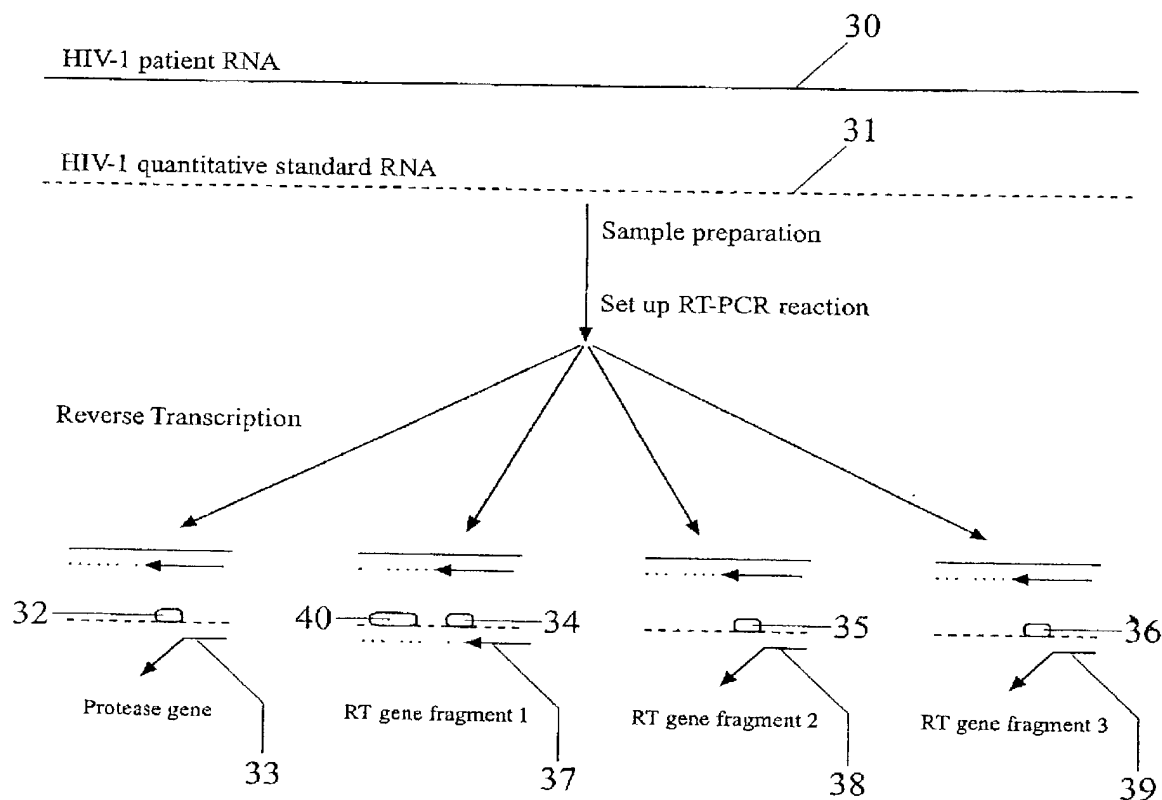


FIG. 3A

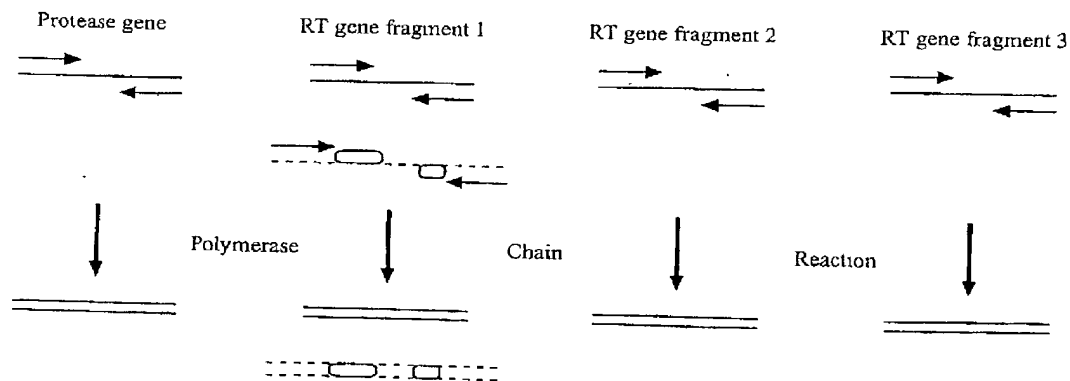


FIG. 3B





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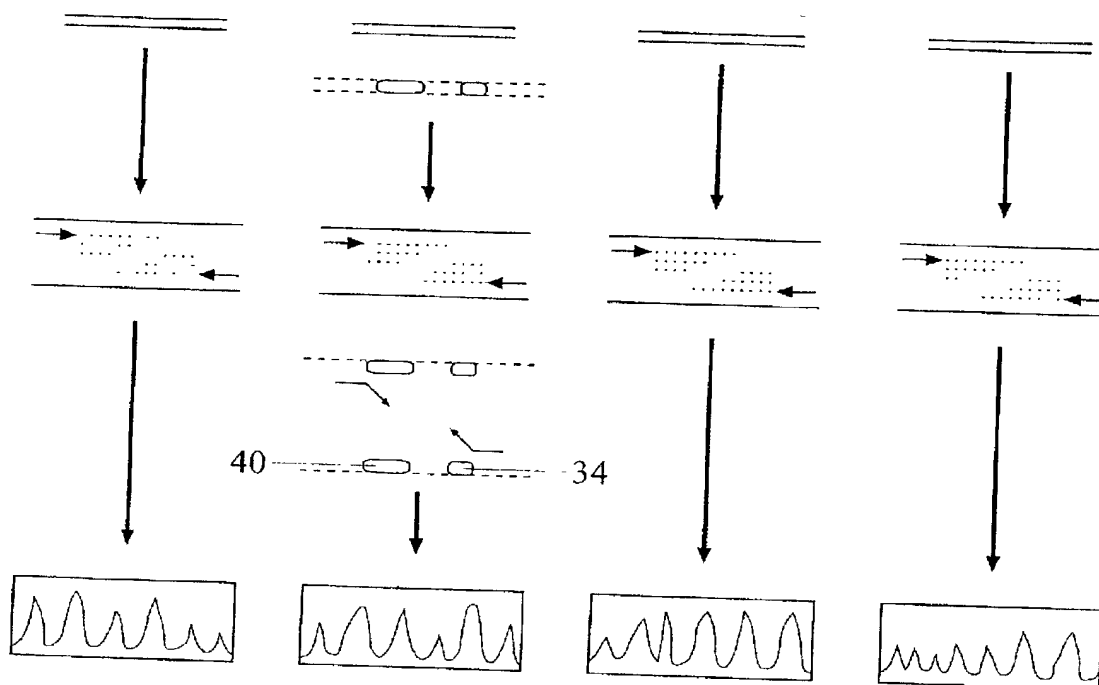


FIG. 3D

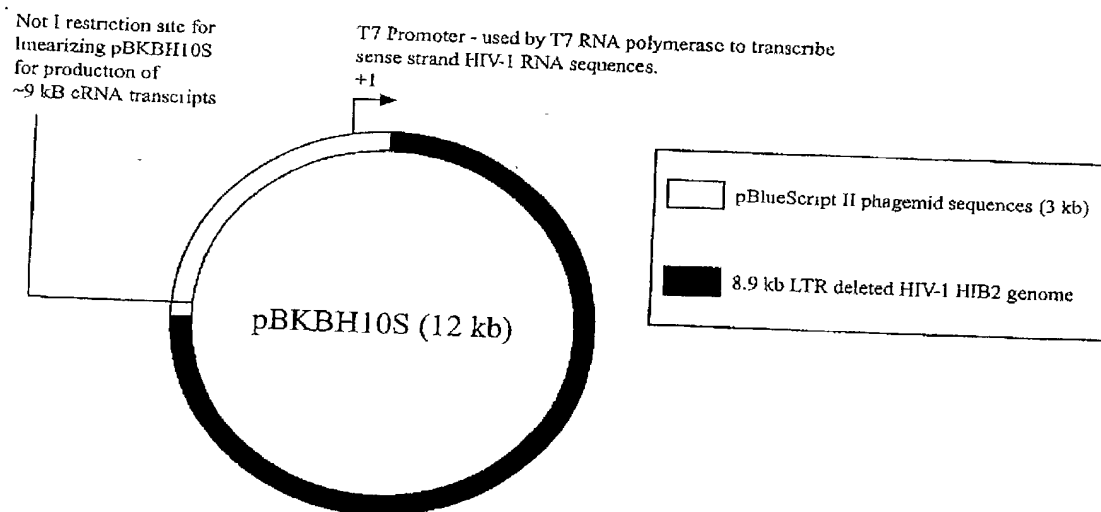


FIG. 4



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5' to 3' direction of HIV-1 sense sequence →

RT562F-A primer (for sequencing)

RT558F primer (for RT-PCR)

5' aaaagttaaaccaatggccattgacag aagaaaaataaaagcattagtagaaattgtacagagatggaaaagga 3' base pairs  
 3' ttttcaatttggtaacggtaactgtc ttcttttttatttttcgtaatcatctttaacatgtctctacettttcct 5' 2606 to 2680

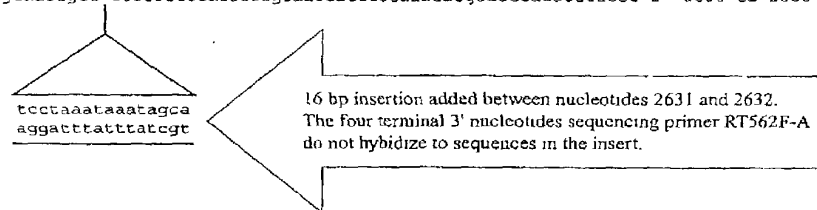
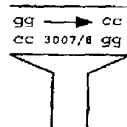


FIG. 5

5' to 3' direction of HIV-1 sense sequence →



Mutagenesis of nucleotides 3007 and 3008 to prevent primer extension of RT959R sequencing primer

5' tcagtacaatgtgcttccacagggat gg aaaggatcaccagcaatattccaaagtagc base pairs  
 3' agtcattgttacacgaagggtgcccta cc ttctctagtggtcgttataagggttctatcg 2981 to 3038

RT964-2-R primer (for RT-PCR)

RT959R primer (for sequencing)

FIG. 6



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### Estimated vs. Actual HIV-1 Sample Copy Number

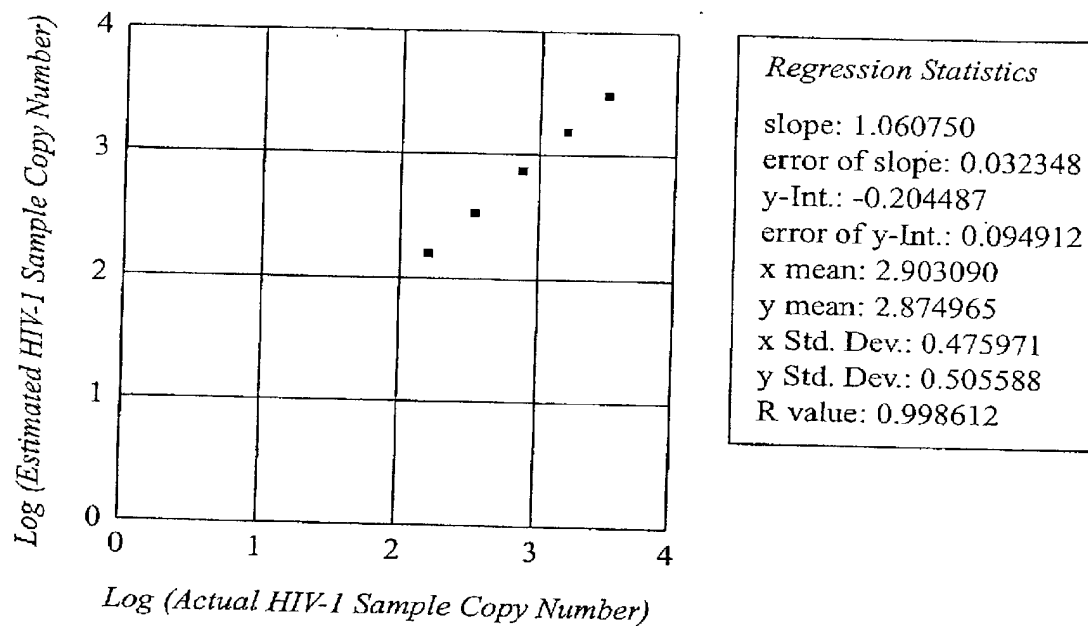


FIG. 7